

20021116.qrp v02\_n742.qrl.20021116

Date: Sat, 16 Nov 2002 19:03:09 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2742

QRP-L Digest 2742

Topics covered in this issue include:

- 1) [140216] CY0MM just hit the airwaves...  
by John Harper AE5X <ae5x@qsl.net>
- 2) [140217] Re: Why I QRP  
by "Stephen King" <frstephenk@stfrancishigh.org>
- 3) [140218] RE: Question  
by Nick Kennedy <nkennedy@tcainternet.com>
- 4) [140219] Re: SST for 15m ?  
by John Harper AE5X <ae5x@qsl.net>
- 5) [140220] Re: QRP Definition - Input vs Output?  
by "Russ Hines" <wb8zcc@one.net>
- 6) [140221] [AD] New keyer chip for Rock-Mite  
by jacksonharbor@att.net
- 7) [140222] Re: Why I QRP  
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 8) [140223] Re: Charge Gel Cell In Car  
by "rmcnelly@cox.net" <rmcnelly@cox.net>
- 9) [140224] Re: For Trade: Vibroplex Brass Racer Paddle  
by Michael Babineau <michael.babineau@sympatico.ca>
- 10) [140225] Truffle Log  
by "Jay" <aj4ay@worldnet.att.net>
- 11) [140226] Re: Looking for a wierd problem with a part  
by "Mike Yetsko" <myetsko@insydesw.com>
- 12) [140227] Re: QRP Definition - Input vs Output?  
by Garey Barrell <k4oah@mindspring.com>
- 13) [140228] Re: CY0MM just hit the airwaves...  
by Lloyd Lachow <llachow@yahoo.com>
- 14) [140229] RE: CY0MM just hit the airwaves...  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 15) [140230] FW: Tiny micro development kit FS  
by "AI2Q Alex" <ai2q@adelphia.net>
- 16) [140231] Don't that beat all...  
by "Paul Mills" <quahog@localnet.com>
- 17) [140232] Fox- K4FB Log  
by Paul Womble <pwomble1@tampabay.rr.com>
- 18) [140233] SG-2020 ADSP -- A Reappraisal  
by "Bruce Prior" <n7rr@hotmail.com>
- 19) [140234] Re: SG-2020 ADSP -- A Reappraisal

by <tlogan7@cox.net>

20) [140235] OT Word Play  
by Nelson Winter <thenels@go.com>

21) [140236] 38 Special Kit & Case  
by "Ron Polityka" <wb3aal@fast.net>

22) [140237] Japan on 40 meters 0950 UTC  
by IamSF5@aol.com

23) [140238] Question for HW-9 owners  
by Pete Burbank <plburbank@kih.net>

24) [140239] Re: Question for HW-9 owners  
by Chris Cartwright <ccart@phideaux.com>

25) [140240] Meteor Storm Set to Dazzle Stargazers  
by sjolin@swbell.net

26) [140241] Re: QRP Definition - Input vs Output?  
by "Russ Hines" <wb8zcc@one.net>

27) [140242] Re: Beacon rules and regs?  
by W2EB <w2eb@twcnny.rr.com>

28) [140243] CY0MM ..... 30 mtrs !!!!  
by "George Osier" <gosier@twcnny.rr.com>

29) [140244] RE: CY0MM just hit the airwaves...  
by W2AGN <w2agn@w2agn.net>

30) [140245] RF POWER ATTENUATOR INFO....  
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>

31) [140246] for . . . Weak Signal Nutz . . . only  
by John R Kirby <n3aaz-qrp@juno.com>

32) [140247] Re: Meteor Storm Set to Dazzle Stargazers  
by "Bill, N4QA" <n4qa@hotmail.com>

33) [140248] Johnson Matchbox Modification  
by John Meade <jm416@optonline.net>

34) [140249] WTB: Kenwood 8-pin Mic  
by NV9Z@aol.com

35) [140250] FS MFJ9406  
by <jfox6@houston.rr.com>

36) [140251] Re: WTB: Kenwood 8-pin Mic  
by Garey Barrell <k4oah@mindspring.com>

37) [140252] OT: Goom bye sheetmetal shop...Hello Surface mt soldering  
school...THEN...  
by "Bill, N4QA" <n4qa@hotmail.com>

38) [140253] link to sheet metal tools website  
by Greg Overkamp <overkamp@yahoo.com>

39) [140254] Help, please, OHR 100A  
by Elda & Doug Wilson <ewilson@nccn.net>

40) [140255] FS: Keys, paddles, and keyers  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>

41) [140256] Re: link to sheet metal tools website  
by Chris Trask <ctrask@primenet.com>

42) [140257] free SideKick template  
by "Tony Parks" <robert.parks11@gte.net>

- 43) [140258] SideKick template available  
by "Tony Parks" <robert.parks11@gte.net>
- 44) [140259] ARRL Sweepstakes SSB this weekend  
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 45) [140260] 2n2/40 Parts search  
by Jason <kc7eip@shaw.ca>
- 46) [140261] Flyin' Pig - a real one  
by Tom Feeny <tfeeny@comcast.net>
- 47) [140262] Re: Miracle Whip Ant.  
by "James R. Duffey" <jamesd1@flash.net>

-----  
Date: Fri, 15 Nov 2002 19:20:52 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [140216] CY0MM just hit the airwaves...  
Message-ID: <000501c28d06\$07073bf0\$6501a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Sable Island...  
They're on 10.121.5 and booming in. Excellent operators.

John Harper AE5X  
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Fri, 15 Nov 2002 14:41:18 -0500  
From: "Stephen King" <frstephenk@stfrancishigh.org>  
To: "QRP-L" <qrp-l@lehigh.edu>, <maxmoon@umn.edu>  
Subject: [140217] Re: Why I QRP  
Message-ID: <004e01c28cde\$f7a1ce40\$3950a8c0@RM204>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Great Question!

I had the same response to the CQ article.

I think I was attracted to QRP by many of the items mentioned in the

article. But the notion that gives it meaning to me is an idea that George Dobbs has included in his writing and talks: Ockham's Razor...

"It is vanity to do with more when less will do"

William of Ockham was an early Franciscan who promoted this philosophical idea as a derivative of the Franciscan ideal and virtue of poverty. As a Franciscan Friar I find meaning here and QRP is a way to express that and to make it real in my life today. Sort of a "Spirituality of QRP"!

Peace and Good and 73!

Stephen

K2 #2644

-----  
Date: Fri, 15 Nov 2002 19:26:26 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'mehartwell@att.com'" <mehartwell@att.com>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [140218] RE: Question  
Message-ID: <01C28CDC.E4E805A0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Probably will work better at low frequencies than at high, but give it a try. Like you said, probes are expensive, so you'll have to bide your time and watch for a good deal on them.

I'll generally only use 50 ohm coax when I don't want the 10:1 reduction and I want to view a low power signal terminated in 50 ohms. So I put a BNC Tee at the scope with a 50 ohm terminator on one port, then run 50 ohm coax to the source. But this is a special case where the scope end is also the load.

I understand that those fancy probes use a special type of cable that has a lot of loss in it, to reduce reflections greatly when mismatched at high frequencies.

72--Nick, WA5BDU

I have a line on a scope to add to my test equipment. It is a 465 type

on a cart. Not sure on the plug in but I am told it is dual trace.  
It doesn't come with probes though, can I just use a 4 foot piece  
of RG58, with BNC's on the ends? On one end I have an adapter I  
can add with clip leads that will plug into the BNC, will this work for  
the 1:1 lead?

-----  
Date: Fri, 15 Nov 2002 19:24:14 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Cc: tlogan7@cox.net  
Subject: [140219] Re: SST for 15m ?  
Message-ID: <000301c28d06\$7e16aa50\$6501a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

This guy has a web site with exactly that info on it right  
about.....here:  
<http://www.ae5x.com/mods.html>

John Harper AE5X  
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Fri, 15 Nov 2002 20:14:22 -0500  
From: "Russ Hines" <wb8zcc@one.net>  
To: <k4oah@mindspring.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140220] Re: QRP Definition - Input vs Output?  
Message-ID: <03fd01c28d0d\$7f4d9f80\$4307c00a@wb8zcc1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Interesting that there is no mention in those rules of a grid  
voltage/current product to determine input power.

73,  
Russ Hines  
WB8ZCC

----- Original Message -----

From: "Garey Barrell" <k4oah@mindspring.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 15, 2002 9:20 AM

Subject: Re: QRP Definition - Input vs Output?

> Rick -

>

> Not quite.

>

> The correct formula would have been  $(IP \times EP) + (IG \times EG) \_ = \_ (IC \times EC)$ .

>

> FCC Part 97.7 (e) (1) from a 1965 License Manual says:

>

> "The d.c. plate power input to the vacuum tube or tubes supplying power to  
> the antenna shall not exceed 75 watts."

>

> From the Novice Class Q & A section:

>

> "The input power is determined by measuring the direct-current plate  
> voltage and the d.c. plate current to the tube or tubes in the final stage  
> in the transmitter. The power input is equal to the plate voltage  
> multiplied by the plate current in amperes."

>

> Probably haven't used "pecuniary" more than once or twice since then, have  
> you! :-)

>

> 73, Garey - K40AH

> Atlanta

>

> At 07:31 PM 11/14/2002, Richard Clem wrote:

> >I don't have an old license manual handy right now, but I think I can  
quote

> >the regulation almost verbatim from memorizing it for my novice test in  
1973:

> >The legal limit was 75 watts (in the case of a novice) "DC input power to  
the

> >final amplifier stage, exclusive of power used to heat the filament."

> >

> >I remember the question in the license manual (and on the test) listed  
the

> >cathode voltage and current, grid voltage and current, plate voltage and

> >current, and filament voltage and current, and you had to calculate the  
input

> >power.

> >

> >The correct answer was  $(IP \times EP) + (IG \times EG) + (IC \times EC)$ .  
> >  
> >The wrong answers included the following:  
> >  
> > $(IP + IG + IC) \times (EP + EG + EC)$  (this is the answer I came up with the  
first  
> >time I took a practice test, if I recall correctly. It seemed logical at  
the  
> >time, and sure made the math a lot easier.)  
> >  
> > $IP \times EP$   
> >  
> > $(IP \times EP) + (IG \times EG) + (IC \times EC) + (IF \times EF)$   
> >  
> >Ah, this takes me back--learning about all kinds of arcane things like  
the  
> >word "pecuniary".  
> >  
> >73,  
> >Rick W0IS, ex-WN0MEB  
>  
>

-----  
Date: Sat, 16 Nov 2002 01:50:46 +0000  
From: jacksonharbor@att.net  
To: qrp-l@lehigh.edu  
Subject: [140221] [AD] New keyer chip for Rock-Mite  
Message-ID: <20021116015046.FUNX20682.mtiwmhc11.worldnet.att.net@mtiwebc36>

Fellow Rock-Miteers:

Jackson Harbor Press is happy to present a new keyer chip for the Rock-Mite series of transceivers from Small Wonder Labs. This new chip has a number of features but the two most important:

- two 60 character, non-volatile memories
- optional pot speed control

One 10k pullup resistor (included) MUST be added to the Rock-Mite for the RMK chip to function correctly. Also, two other resistors (included) and a pot (NOT included) must be added for pot speed control.

The chip price is \$4 plus \$2 s/h in the USA - DX, add \$3 to USA price.

For more information and to order, see the manual and other docs at:

<<http://home.att.net/~jacksonharbor/rmk.htm>>

Thanks and  
Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<<http://jacksonharbor.home.att.net/>>

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Date: Fri, 15 Nov 2002 21:23:05 -0500  
From: "Mark S. Adams, P.E." <[msadams@acsu.buffalo.edu](mailto:msadams@acsu.buffalo.edu)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [140222] Re: Why I QRP  
Message-ID: <2308266824.1037395385@ubppp248-74.dialin.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Hi Gang,

Kind of simple in my case. When I started out, I bought a used HW101. Little did I know that one final was dead and the other on its last leg. After many months of operating I came across an accurate wattmeter and behold, 12 watts! I figured, what the heck, ordered an SW40 so I could cut power by another order of magnitude and went out and had some real fun.

I have never looked back or turned up the juice except to ragchew with the DX every now and then.

Mark K2QO

-----

Date: Fri, 15 Nov 2002 22:07:50 +0000  
From: "rmcnelly@cox.net" <[rmcnelly@cox.net](mailto:rmcnelly@cox.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [140223] Re: Charge Gel Cell In Car  
Message-ID: <B9FB20B6.48B74%rmcnelly@cox.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Thanks to everyone who replied (both in private and via the list) to my question about the use of a Battery Tender on the 7 Ah gel cell.



The overall consensus was, it was ok (this model charger does charge below 1 amp and goes into a trickle charge mode once the voltage reaches a certain point). It was pointed out that the charger probably won't replace 100% of the gel cell's charge due it's design, but that may not be such a big impact on the life of the battery.

Thanks again!

72/73,

--Rick, KE4IZH  
K2#663/Sierra  
'93 ST1100  
STOC#3210  
'83 GL650i  
Chesapeake, Va

-----  
Date: Fri, 15 Nov 2002 22:03:27 -0500  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-l@lehigh.edu  
Subject: [140224] Re: For Trade: Vibroplex Brass Racer Paddle  
Message-ID: <FA99CFA0-F90F-11D6-B114-00039309268A@sympatico.ca>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v546)  
Content-Transfer-Encoding: 7bit

The Brass Racer paddle has found a new home ... thanks to all those who responded with an offer to trade.

Michael VE3WMB

On Thursday, November 14, 2002, at 11:04 AM, Michael Babineau wrote:

> Folks :  
>  
> I have a near mint Vibroplex Brass Racer paddle that I am willing to  
> trade for a  
> Vibroplex/Norcal Code Warrior Jr Paddle or perhaps a single band QRP  
> rig  
> (20M preferred but would consider other bands).  
>  
> Drop me a note if you are interested in a trade.

>  
> Michael VE3WMB  
>  
> P.S. Here is the vibroplex link with a picture of the Brass Racer.  
> <http://www.vibroplex.com/pics/brasrcr2.jpg>  
>

-----  
Date: Fri, 15 Nov 2002 22:04:42 -0600  
From: "Jay" <aj4ay@worldnet.att.net>  
To: "QRPL" <qrp-1@Lehigh.EDU>, "Flying Pigs" <fpqrp-1@mpna.com>,  
<n8ie@woh.rr.com>  
Subject: [140225] Truffle Log  
Message-ID: <003501c28d25\$4ba97ba0\$f571560c@jay>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

All,

Final correction - Done - finis and I hope to heck I didn't fat finger  
anything this time.....

Thanks again for a FUN 30 minutes.

Jay  
AJ4AY  
Mobile, AL  
QRPL 1372, ARCI 8131, FISTS 7917, FP -115, SOC 220

			MY RST		
0131	W5YR	559	TX	GEORGE	5W
0132	K4GT	559	GA	JIM	5W
0133	AF4PS	599	FL	MAC	5W
0133	N4BP	599	FL	BOB	5W
0134	AE4Y	579	GA	KENT	5W
0135	N5ZE	559	TX	LEW	5W
0135	K5SR	559	TX	DALE	5W
0136	K5DW	559	TX	DON	5W
0137	N5EBD	559	TX	KEN	5W
0139	WA9TZE	579	WI	JIM	5W
0140	N1TP	579	FL	TOM	5W
0140	K4FB	599	FL	PAUL	5W
0141	K8CV	559	MI	WALT	5W

0142	N3XRV	559	PA	CHRIS	5W
0143	K3ESE	559	MD	LLOYD	5W
0144	K5AIC	599	MS	HERB	5W
0145	K5JHP	559	TX	BILL	5W
0146	W5TB	559	TX	DOC	5W
0147	K4ADI	599	SC	FRANK	5W
0148	KG4LDY	559	VA	JIM	5W
0149	W5USJ	559	TX	CHUCK	5W
0150	AC5JH	559	OK	TOM	5W
0150	WE9K	599	WI	GLENN	5W
0151	KB9YIG	569	IN	TONY	500mw
0152	N3BJ	559	VA	ALAN	5W
0153	W0CH	559	MO	DAVE	5W
0155	K2PQ	559	NJ	FRANK	5W
0155	WR50	579	TX	DAVE	5W
0157	N1ZSW	559	MA	RON	5W
0159	AG0T	559	ND	TODD	4W

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Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002

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Date: Fri, 15 Nov 2002 23:06:31 -0500

From: "Mike Yetsko" <[myetsko@insydesw.com](mailto:myetsko@insydesw.com)>

To: <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>

Subject: [140226] Re: Looking for a wierd problem with a part

Message-ID: <00a501c28d25\$8e15e0a0\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks to all that responded to my request.

I got the circuit working. Duh!! I kept wondering how the thing clocked. Well, there was this LED...

But, it wasn't an LED. It was a BLINKING LED. About \$2 at Radio Shack. What they did was feed the blinker through a 2.2K

resistor right from the battery. Then took a line from the resistor to the blinker as the 'clock'.

Tricky...

I kept trying to figure out how the darn thing clocked and winked the LED, when the LED was blinking and the LED was the clock.

DUH!

Mike

-----  
Date: Fri, 15 Nov 2002 23:14:46 -0500  
From: Garey Barrell <k4oah@mindspring.com>  
To: "Russ Hines" <wb8zcc@one.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140227] Re: QRP Definition - Input vs Output?  
Message-ID: <5.1.0.14.0.20021115230650.00a20620@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Russ -

I think that's likely because at the time these rules were written, most all final stages were Class C and grid driven. The grid power would have been negligible at best, and certainly not a significant part of the power of the stage.

That all changed with the advent of Class B grounded-grid linears which required 60-100 W of drive to the cathode (most of which appeared in the output) vs the watt or so needed for the grid of a Class C final.

73, Garey - K40AH

At 08:14 PM 11/15/2002, Russ Hines wrote:

>Interesting that there is no mention in those rules of a grid  
>voltage/current product to determine input power.

>

>73,

>Russ Hines

>WB8ZCC

>

>----- Original Message -----

>From: "Garey Barrell" <k4oah@mindspring.com>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Sent: Friday, November 15, 2002 9:20 AM  
>Subject: Re: QRP Definition - Input vs Output?  
>  
>  
> > Rick -  
> >  
> > Not quite.  
> >  
> > The correct formula would have been  $(IP \times EP) + (IG \times EG) \_=\_ (IC \times EC)$ .  
> >  
> > FCC Part 97.7 (e) (1) from a 1965 License Manual says:  
> >  
> > "The d.c. plate power input to the vacuum tube or tubes supplying power to  
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> > From the Novice Class Q & A section:  
> >  
> > "The input power is determined by measuring the direct-current plate  
> > voltage and the d.c. plate current to the tube or tubes in the final stage  
> > in the transmitter. The power input is equal to the plate voltage  
> > multiplied by the plate current in amperes."  
> >  
> > Probably haven't used "pecuniary" more than once or twice since then, have  
> > you! :-)  
> >  
> > 73, Garey - K40AH  
> > Atlanta

-----  
Date: Fri, 15 Nov 2002 19:48:14 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: QRP-1 <qrp-1@lehigh.edu>  
Subject: [140228] Re: CY0MM just hit the airwaves...  
Message-ID: <20021116034814.71457.qmail@web41008.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

>John Harper AE5X (ae5x@qsl.net)wrote:

>Sable Island...  
>They're on 10.121.5 and booming in. Excellent  
>operators.

Generally, I prefer to tune around for DX, choosing not to look at spotting online. But I do like to keep an eye on the list, in case I should chance upon some fun stuff, and lo! Here was some. Bagged 'em at 0337Z at 10.119.9. Thanks, John!

=====

73, 72 es oo, Lloyd, K3ESE  
K1 # 00379 - 20M Rock-Mite - Hunk o' Wahr  
ARRL - ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-  
dit dididit dit

-----  
Do you Yahoo!?  
Yahoo! Web Hosting - Let the expert host your site  
<http://webhosting.yahoo.com>

-----  
Date: Fri, 15 Nov 2002 21:51:40 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "John Harper AE5X" <ae5x@qsl.net>,  
"qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [140229] RE: CY0MM just hit the airwaves...  
Message-ID: <4120021161635140800@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

John:

Just bagged 'em with a K1 at 5 watts to the IAC Double Bazooka up 45' and firing East and West. Frequency was 10.119.9 and they are listening up about 2.5. These guys have great ears. And wouldn't you know it--soon after the QSO at 0339 they must have turned their beam this direction, as they went up about 2 s-units [g].

73,  
--Doc/K0EVZ

> [Original Message]  
> From: John Harper AE5X <ae5x@qsl.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: 11/15/2002 6:55:11 PM

> Subject: CY0MM just hit the airwaves...  
>  
> Sable Island...  
> They're on 10.121.5 and booming in. Excellent operators.  
>  
> John Harper AE5X  
> Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>  
>  
>

-----  
Date: Fri, 15 Nov 2002 23:20:48 -0500  
From: "AI2Q Alex" <ai2q@adelphia.net>  
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>  
Subject: [140230] FW: Tiny micro development kit FS  
Message-ID: <000601c28d27\$8a835920\$6401a8c0@alex>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: AI2Q Alex [mailto:ai2q@adelphia.net]  
Sent: Thursday, November 14, 2002 8:11 PM  
To: QRP-L (E-mail)  
Subject: Tiny micro development kit FS

The thread on tiny micros reminds me that I have a brand new 68HC05 development kit for sale. It includes:

- (1) Motorola 68HC705JICS development board
- (2) In-circuit simulator user's manual
- (3) Book entitled "Understanding Small MCUs"
- (4) Rapid/D User's manual

- (5) Unopened development software package
- (6) Application notes
- (7) Warranty card
- (8) DB9 cable
- (9) DB9 to DB25 adapter
- (10) In-circuit target cable
- (11) Wall plug power supply for board
- (12) XC68HC705J1ACS sample (windowed EPROM version)

First \$100 takes it.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----  
Date: Fri, 15 Nov 2002 21:56:33 -0500  
From: "Paul Mills" <quahog@localnet.com>  
To: <QRP-L@lehigh.edu>  
Subject: [140231] Don't that beat all...  
Message-ID: <005f01c28d28\$916ddde0\$d4659942@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So I grabbed some #18 speaker wire, and a piece of cheapo tv twinlead, and some acrylic blocks cut off a bigger piece, with holes drilled in them, and wah-lah! A half-size G5RV antenna. Added a length of RG-8 and spread some goop on all the connections before hauling it up with the nylon mono line I use for halyards, and what the heck, it worked. Not only did it work on 40-10M, but on 10 it was close enough (2:1 SWR) that I didn't bother use the tuner for the TS-520. Wow! Oh yeah, this is supposed to be a EDZ on 10. Tuning around, there were JA's booming in like they were next door. Too bad the Shure mike is on the bench with its guts ripped out -- gotta replace a cap. Why isn't there more CW on 10? Seems like it would be a primo QRP band.

Oh, I tried to tune the ant up on 80m, but it made a sound like bacon frying, so i let it go...

Paul KB1GEJ



-----  
Date: Fri, 15 Nov 2002 23:44:26 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140232] Fox- K4FB Log  
Message-ID: <3DD5CD2A.4EDCE36F@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Please email any corrections ASAP.

Thanks!

Paul K4FB

02:01 K9DI 599 IL WAYNE 5W  
02:02 K5FSE 599 GA JACK 5W  
02:03 AC5JS 559 OK TOM 5W  
02:04 K5PSH 559 TX JERRY 5W  
02:05 K5ZTY 559 TX BILL 5W  
02:06 N4ROA 559 VA DAN 5W  
02:07 KK5LD 559 TX JIM 5W  
02:07 K5AIC 559 MS HERB 5W  
02:08 W5YR 559 TX GEORGE 5W  
02:09 WS4S 559 TN CONRAD 5W  
02:09 N3BJ 559 VA ALAN 5W  
02:10 AJ4AY 559 AL JAY 5W  
02:10 W5TB 559 TX DOC 5W  
02:11 W9XU 559 WI RON 5W  
02:12 K5TR 599 TX GEO 5W  
02:13 K5JHP 599 TX BILL 5W  
02:14 W0CH 559 MO DAVE 5W  
02:14 N1FN 559 CO ET 5W  
02:15 WA9TZE 559 WI JIM 5W  
02:15 W0PWE 579 IA JERRY 5W  
02:16 KB9YIG 569 IN TONY 500mw  
02:17 K8HJ 559 MI JOHN 5W  
02:18 K2QO 579 NY MARK 5W  
02:18 K3ESE 559 MD LLOYD 5W  
02:19 K3IU 559 RI KEN 5W  
02:20 VE6JAZ 559 AB ROB 5W  
02:21 K0PC 559 MN PAT 5W  
02:21 N0DSP 559 CO TOM 5W  
02:22 NN5E 559 TX VERN 5W  
02:22 W0RSP 579 SD ADE 4W

02:23 VE5RC 539 SK BRUCE 5W  
02:24 VE6EX 559 AB DAN 5W  
02:25 K3PH 559 PA BOB 5W  
02:25 N5YFC 559 LA WAYNE 5W  
02:26 K5DW 559 TX DON 5W  
02:27 VA6RF 559 AB EARL 5W  
02:28 K8CV 559 MI WALT 5W  
02:29 AB5XQ 559 AR BILL 5W  
02:29 K4ADI 579 SC FRANK 5W  
02:30 W0UFO 559 MN MERT 5W  
02:31 N3AO 559 PA CARTER 5W  
02:32 K9UT 559 IN JERRY 5W  
02:32 K9IUA 559 IA KEVIN 5W  
02:33 K4QU 559 VA MIKE 10  
02:34 N9WW 559 IL JIM 5W  
02:34 N0TK 559 CO DAN 5W  
02:35 VE4WI 559 MB CRAIG 5W  
02:36 KC5ZZ 559 LA WALT 5W  
02:37 N9IJ 559 IL LEN 5W  
02:38 N5ZE 559 TX LEW 5W  
02:39 KG4LDY 559 VA JIM 5W  
02:40 W9HL 559 IL RANDY 5W  
02:41 WR50 559 TX DAVE 5W  
02:41 N8VAR 559 OH RON 5W  
02:42 N8XE 599 OH JASON 5W  
02:42 K5QK 559 LA DON 5W  
02:43 KC2CK 559 NY DON 1W  
02:44 K5SR 559 TX DARYL 5W  
02:45 N3XRV 559 PA CHRIS 5W  
02:45 NK0E 559 CO DAVE 5W  
02:46 WE9K 559 WI GLENN 5W  
02:47 K40AH 559 GA RAY 5W  
02:48 K4TJD 559 GA TOM 5W  
02:49 AG0T 559 ND TODD 4W  
02:49 WV9N 559 OH RANDY 5W  
02:50 KR0U 535 CO TIM 5W  
02:51 W3SMK 559 NY STEVE 5W  
02:52 N9AW 559 WI JERRY 5W  
02:53 K9IS 559 WI STAN 2W  
02:54 AF4LQ 559 VA MIKE 5W  
02:55 K6VNX 559 CA ARLEN 5W  
02:55 NU4N 599 KY DAVE 5W  
02:57 K5DI 589 NM KARL 5W  
02:58 W5USJ 559 TX CHUCK 5W  
02:59 N2WW 559 CO LARRY 5W  
02:59 W9XT 559 WI GARY 5W  
03:00 NV4V 559 KY PETE 5W  
03:00 K2TVY 579 NJ FRANK 5W

03:01 AA50 559 LA VERN 5W  
03:01 KQ5U 559 TX TERRY 5W  
03:02 AA7EQ 559 AZ BOB 5W  
03:03 K2PQ 559 NJ FRANK 5W  
03:04 KJ0C 559 MO JIM 5W  
03:04 N0TU 559 CO STEVE 5W  
03:05 W4YN 559 NC TIM 4W  
03:06 AC7A 559 AZ TOM 5W  
03:07 NQ7X 559 AZ FLOYD 5W  
03:07 N0WX 579 MN MIKE 5W  
03:08 W6ABC 559 CA JACK 5W  
03:11 VA3RJ 559 ON DAVE 5W  
03:12 K0EVZ 579 ND DOC 5W  
03:13 N4BP 559 FL BOB 5W  
03:14 K2ZN 559 NY AL 5W  
03:15 VE5DC 559 SK JERRY 5W  
03:15 AF4PS 559 FL MAC 5W  
03:16 K1KID 559 MA CARL 4W  
03:17 WD9F 559 IL WOODY 5W  
03:18 KV2X 559 NY TOM 5W  
03:19 W2AGN 559 NJ JOHN 5W  
03:20 K7TQ 559 ID RANDY 5W  
03:21 KG4FSN 559 FL JUAN 5W  
03:22 W8YMO 559 OH HARRY 5W  
03:23 N5EBD 559 TX KEN 5W  
03:24 K9DC 559 IN DAVE 5W  
03:26 K2TER 559 NY BILL 5W  
03:27 KI0II 559 CO RON 1W  
03:28 K6MMC 559 CA MIKE 5W  
03:29 KG6CYN 559 CA TREVOR 5W  
03:30 N5IB 559 LA JIM 5W  
03:31 W2RBA 559 NY JOE 5W  
03:32 N0RC 559 CO ROD 5W  
03:33 WA8BXN 559 OH MIKE 5W  
03:35 K5EOA 559 LA WAYNE 5W  
03:36 AB9CA 559 AZ STEVE 5W  
03:36 KC1FB 559 CT JIM 5W  
03:39 VA3JFF 579 ON JEFF 5W  
03:40 NK6A 559 CA DON 5W  
03:40 W3KC 569 MD CHAS 5W  
03:42 KB7WW 559 OR ART 5W  
03:42 N0HRL 559 MN KEN 5W  
03:44 N1TP 559 FL TOM 5W  
03:44 NK9G 559 WI RICK 5W  
03:47 WB9HFK 559 IL MARK 5W  
03:48 W9UQB/7 559 AZ MIKE 5W  
03:49 KD5CMN 559 TX MIKE 5W  
03:50 WA7LNW 559 NM JACK 5W

03:52 WW7Y 559 UT STEVE 5W  
03:56 AL9A 559 ME GREG 5W  
03:58 W5KDJ 559 TX WAYNE 1W  
03:59 WU9F 559 WI TERRY 5W  
N0UR 559 MN JIM  
K4FB 559 FL PAUL

-----  
Date: Sat, 16 Nov 2002 05:16:51 +0000  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [140233] SG-2020 ADSP -- A Reappraisal  
Message-ID: <BAY1-F56ut6ajt7dvix0000015f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I'll admit that I was prejudiced against the SG-2020 when it first came out.

The root of my uninformed view was that it seemed to be a further development of the niche occupied by the QRP+, with which I had significant problems. True, Bruce Franklin, KG7CR of Index Labs was one of the '2020 design engineers, and there are some obvious parallels with the old QRP+: extremely rugged construction, the tripodal suspension system, and special attention to SSB at the expense of CW.

Now I've had a few days to examine the second-generation SG-2020 ADSP transceiver, and I must admit that I am most impressed. I still would not recommend it for a dedicated CW operator. The rig was clearly not designed for that market. For SSB operation, especially in high QRN conditions, the combination of the SGC trade-marked twin technologies, "Adaptive Digital Signal Processing," (ADSP) and "Spectral Noise Subtraction," (SNS) yields a whole new listening environment. I've never heard a radio that could attenuate atmospheric noise so effectively. To experience that performance with a rig in its price class is remarkable. Other important features are a very effective SCAF bandwidth filter which is easy to adjust from 100 Hz to 2.7 kHz in 100 Hz increments, automatic speech processing and passband tuning. The frequency scan system can be user-programmed with five different parameters!

Another feature is not documented in the Manual, but is quite good: in SPLIT operation, the main tuning dial is disabled. So, when operating, say, on a net frequency while mobile or in a busy emergency operations center, if the rig is operated SPLIT, even without a difference in receive and transmit frequencies, an accidental jarring of the tuning knob will not throw the rig off frequency.

I think the most important feature of this new and improved version of the SG-2020 may actually be its incredibly rugged construction. In the post 9-11 world, it's a rig that promises to continue to perform reliably in a punishing emergency environment. I wonder how many lives this rig will save over its lifetime.

SGC has a factory rebate program on the SG-2020 ADSP through January 15th, so it's available now for \$695. See <http://www.sgcworld.com> .

73/72, Bruce Prior N7RR

-----  
The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Sat, 16 Nov 2002 00:59:59 -0700  
From: <tlogan7@cox.net>  
To: <n7rr@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140234] Re: SG-2020 ADSP -- A Reappraisal  
Message-ID: <000e01c28d46\$28f70660\$84fc6344@ph.cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Despite some of the bad press this rig gets and even though I'm an Elecraft enthusiast - I must admit the 2020 with ADSP continual attracts my attention because of the rugged compact size and look. I've never heard/operated one, but I have operated the QRP++ (and wasn't impressed much).

I'm curious why you've said it's not a cw rig? I'm also curious about any other experiences people have had with the latest version of this Sherman Tank. All opinions would be welcome. 73/Tim NZ7C

----- Original Message -----

From: "Bruce Prior" <n7rr@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, November 15, 2002 10:16 PM  
Subject: SG-2020 ADSP -- A Reappraisal

> I'll admit that I was prejudiced against the SG-2020 when it first came out.

> The root of my uninformed view was that it seemed to be a further development of the niche occupied by the QRP+, with which I had significant problems. True, Bruce Franklin, KG7CR of Index Labs was one of the '2020 design engineers, and there are some obvious parallels with the old QRP+: extremely rugged construction, the tripodal suspension system, and special attention to SSB at the expense of CW.

>

> Now I've had a few days to examine the second-generation SG-2020 ADSP transceiver, and I must admit that I am most impressed. I still would not recommend it for a dedicated CW operator. The rig was clearly not designed for that market. For SSB operation, especially in high QRN conditions, the combination of the SGC trade-marked twin technologies, "Adaptive Digital Signal Processing," (ADSP) and "Spectral Noise Subtraction," (SNS) yields a whole new listening environment. I've never heard a radio that could attenuate atmospheric noise so effectively. To experience that performance with a rig in its price class is remarkable. Other important features are a very effective SCAF bandwidth filter which is easy to adjust from 100 Hz to 2.7 kHz in 100 Hz increments, automatic speech processing and passband tuning. The frequency scan system can be user-programmed with five different parameters!

>

> Another feature is not documented in the Manual, but is quite good: in SPLIT operation, the main tuning dial is disabled. So, when operating, say, on a net frequency while mobile or in a busy emergency operations center, if the rig is operated SPLIT, even without a difference in receive and transmit frequencies, an accidental jarring of the tuning knob will not throw the rig off frequency.

>

> I think the most important feature of this new and improved version of the SG-2020 may actually be its incredibly rugged construction. In the post 9-11 world, it's a rig that promises to continue to perform reliably in a punishing emergency environment. I wonder how many lives this rig will save over its lifetime.

>  
> SGC has a factory rebate program on the SG-2020 ADSP through January 15th,  
> so it's available now for \$695. See <http://www.sgcworld.com> .  
>  
> 73/72, Bruce Prior N7RR  
>  
>  
>  
>  
>  
>  
>  
-----  
> The new MSN 8: smart spam protection and 2 months FREE\*  
> <http://join.msn.com/?page=features/junkmail>  
>

-----  
Date: Fri, 15 Nov 2002 23:27:27 -0800 (PST)  
From: Nelson Winter <thenels@go.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140235] OT Word Play  
Message-ID: <12440.1037431647579.JavaMail.thenels@gomailjtp02>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

THE MORSE CODE: When you rearrange the letters: HERE COME DOTS  
Less = More

-----  
GO.com Mail  
Get Your Free, Private E-mail at <http://mail.go.com>

-----  
Date: Sat, 16 Nov 2002 05:04:39 -0500  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@lehigh.edu>  
Subject: [140236] 38 Special Kit & Case  
Message-ID: <001a01c28d57\$93d3d600\$23e35cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

Just wondering what the price was for the 38 Special with the black iodize case was going for when it was sold as a kit.

Thanks for any help.

72 & Good DX  
Ron de WB3AAL  
wb3aal@fast.net  
www.n3epa.org

-----  
Date: Sat, 16 Nov 2002 06:29:14 EST  
From: IamSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [140237] Japan on 40 meters 0950 UTC  
Message-ID: <197.10a77d59.2b07860a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
Another big score for me.  
I just worked JA4FD.  
5 Minutes later W5TCZ worked him.<---May be incorrect  
I ran 5 watts to my modified version of the BUDDI STCK mounted on the roof on  
a 3 foot tripod.  
2 radials,35 feet of coax with a home brew COAX/BEAD choke balun at the feed  
point.  
He was 449.  
I'm stil looking for that Aussie station and i'm going to do it with that  
short antenna.  
Gotta run.  
I hear CW on the phones laying on the floor  
I was 339 with QSB.  
Everyone says that it can't be done but I noticed the change in band  
conditions at appx 0800 UTC.  
I laid on the floor with the phones on.  
I heard some DX and started listening down the very low end of the band.  
The rig was the classic NC-40-A modified to 5 watts.  
That W5 station is banging out some Q's in Israel.  
GL DXing  
Bob  
AF2Q



PS:

Even if you don't hear them they may be sitting there with the rig on.

I called CQ

He came back to me:)

-----  
Date: Sat, 16 Nov 2002 08:38:19 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [140238] Question for HW-9 owners  
Message-ID: <5.0.2.1.0.20021116082257.00a05790@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The manual I have lists x-ray board views in the index as being on page 37 of the illustration manual. As near as I can tell there is no such page or I am missing a large part of the manual.  
It would make life easier here.  
Thanks es 73  
Pete NV4V

-----  
Date: Sat, 16 Nov 2002 09:36:22 -0500 (EST)  
From: Chris Cartwright <ccart@phideaux.com>  
To: Pete Burbank <plburbank@kih.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [140239] Re: Question for HW-9 owners  
Message-ID: <Pine.LNX.4.33.0211160907350.24829-100000@dns.phideaux.com.>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 16 Nov 2002, Pete Burbank wrote:

> The manual I have lists x-ray board views in the index as being on page  
> 37 of the illustration manual. As near as I can tell there is no such  
> page or I am missing a large part of the manual.

Pete,

There were six pieces to the documentation I have for the HW-9, not including the WARC pack, or the PSA-9.

1. The kit builders Guide - 6 pages fold out, how to solder, install

chips, tool lists, etc.

2. The "Manual" - 105 pages - building and tuning instructions
3. Schematic - a 24" x 36" foldout of the entire rig, with WARC
4. Illustration booklet - 40 page, 11x17 booklet of pictorial
5. Taped component chart - a place to lay out the reels of parts with text ID's to the left. You taped down the reel and cut the parts off as you went along.
6. Warranty card and feedback form.

This stuff it all circa 1984. I'm guessing you have the "Manual" and not the "Illustration Booklet". On page 37 is the X-ray view of the Oscillator board. Be happy to send a copy of the page that way.

Ordinarily I wouldn't post something like this to the list, but it does show just how thorough Heathkit was. Plus there is a historic aspect of the HW-9. Since this get's archived, someone 30 years from now might find this useful. I have to admit to having a soft spot for HW-9's, I have two of them (complete), one is out on loan a friend at present, and the other get's used in just about all the major QRP contests, instead of the Icom 735.

For reference, here's the list of matching HW-9 accessories;

HW-9 - the rig itself  
HWA-9 - WARC band option for the above  
PSA-9 - power supply  
HFT-9 - tuner (to 50W)  
HM-9 - power/SWR meter (5/50W)  
SP-99 - 8 ohm 3x5 speaker (tough to find)

There might be others, but this is all that I know about. There used to be a guy from the other side of the pond whose sig said, "Home of the last unbuilt HW-9". Always wondered if it was still in the box, or just unbuilt :) Is Mel still on the list?

72

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Sat, 16 Nov 2002 09:36:30 -0600  
From: sjolin@swbell.net  
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>,

VHF Reflector <vhf@W6YX.stanford.edu>  
Subject: [140240] Meteor Storm Set to Dazzle Stargazers  
Message-ID: <054601c28d85\$f045fac0\$78d1fea9@DaveSjolin>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

6000 meteors an hour over North America Tuesday morning. Whether you operate Meteor Scatter or not, this should be a "once in a lifetime" experience.

73 de Dave, N0IT

=====  
Meteor Storm Set to Dazzle Stargazers  
Fri Nov 15, 2:37 PM ETAdd Science - Reuters to My Yahoo!

By Patricia Reaney  
LONDON (Reuters) - Stargazers in Europe, Britain and North America are in for a treat next week and have prime viewing positions for what could be the biggest natural fireworks display of the 21st century.

During the early hours of Nov. 19, thousands of meteors, or shooting stars, will light up the night sky as they enter the atmosphere at speeds of about 160,000 miles per hour.

"It is a natural fireworks display, a celestial spectacle," professor Mark Bailey, of the Armagh Observatory in Northern Ireland, told Reuters Friday.

Known as the Leonids because they originate in the constellation Leo, the meteor storm will occur in two bursts during the night of Nov. 18 to 19.

Britain and Europe will have the best views for the first burst of the shower that scientists predict will occur at about 10:30 p.m. EST and residents in North America are best placed to see the second barrage at about 5:30 a.m. EST.

"You have two components to the shower, two parts of the world that are potentially able to observe it," Bailey added.  
Although a full moon might dull the spectacle a bit, this year's storm could be the biggest for the next 100 years, with 1,000 meteors per hour trailing across the sky in the first burst and as many as 6,000 per hour during the second.

"The U.S. is better off than we are but on the other hand a thousand in an hour is probably more than most people see in a lifetime," Bailey said.

METEORIC DEBRIS

Meteors are bits of rock and dust that hit the Earth's atmosphere, heat up and glow. Most vaporize as they descend but some explode.

The Leonids are debris from the comet 55P/Tempel-Tuttle. About every 33 years the comet returns to the inner solar system and releases materials that form new dust trails that stretch from the comet many millions of miles away.

The comet is due to return to the inner solar system around 2033 and 2066 but the meteor storms are not expected to be as spectacular. "The Earth just happens to be going through this very fine trail of meteoric debris. That trail that we run into at four in the morning Tuesday the 19th was emitted during its passage around the sun in 1767," Bailey said.

The trail the Earth will pass through during the second part of the storm was emitted 1866.

Thanks to calculating techniques developed by David Asher, of the Armagh Observatory, and Robert McNaught, of the Australian National University, Bailey said, meteor storm prediction has become more precise.

"If the weather forecast sounds like it may be vaguely clear, it will be well worth it," he said.

-----  
Date: Sat, 16 Nov 2002 09:51:22 -0500  
From: "Russ Hines" <wb8zcc@one.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
"Garey Barrell" <k4oah@mindspring.com>  
Subject: [140241] Re: QRP Definition - Input vs Output?  
Message-ID: <047901c28d7f\$a185d1e0\$4307c00a@wb8zcc1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I understand and agree with what you are saying technically, however I don't think it's relevant to my point regarding what input power is, and/or how that related to the old "legal limit." It's interesting I've yet to see any evidence either on this list or in my meager collection of information to the contrary.

More importantly, it's been a terrific discussion.

Rules and practices have varied over the years to be sure. One thing is certain, if one had summed ALL the voltage/current products at the final, one certainly would not have been over the old input power limit. If that was your past practice, then I'd say you were a conscientious ham.

IN any regard, this is the last thumping from me on this poor, dead animal. May he rest in peace.

Thanks for the discourse, gentlemen.

73,  
Russ Hines  
WB8ZCC

----- Original Message -----

From: "Garey Barrell" <k4oah@mindspring.com>

To: "Russ Hines" <wb8zcc@one.net>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 15, 2002 11:14 PM

Subject: Re: QRP Definition - Input vs Output?

> Russ -

>

> I think that's likely because at the time these rules were written, most  
> all final stages were Class C and grid driven. The grid power would have  
> been negligible at best, and certainly not a significant part of the power  
> of the stage.

>

> That all changed with the advent of Class B grounded-grid linears which  
> required 60-100 W of drive to the cathode (most of which appeared in the  
> output) vs the watt or so needed for the grid of a Class C final.

>

> 73, Garey - K40AH

>

> At 08:14 PM 11/15/2002, Russ Hines wrote:

> >Interesting that there is no mention in those rules of a grid

> >voltage/current product to determine input power.

> >

> >73,

> >Russ Hines

> >WB8ZCC

> >

> >----- Original Message -----

> >From: "Garey Barrell" <k4oah@mindspring.com>

> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> >Sent: Friday, November 15, 2002 9:20 AM  
> >Subject: Re: QRP Definition - Input vs Output?  
> >  
> >  
> > > Rick -  
> > >  
> > > Not quite.  
> > >  
> > > The correct formula would have been  $(IP \times EP) + (IG \times EG) \_=\_ (IC \times EC)$ .  
> > >  
> > > FCC Part 97.7 (e) (1) from a 1965 License Manual says:  
> > >  
> > > "The d.c. plate power input to the vacuum tube or tubes supplying power to  
> > > the antenna shall not exceed 75 watts."  
> > >  
> > > From the Novice Class Q & A section:  
> > >  
> > > "The input power is determined by measuring the direct-current plate  
> > > voltage and the d.c. plate current to the tube or tubes in the final stage  
> > > in the transmitter. The power input is equal to the plate voltage  
> > > multiplied by the plate current in amperes."  
> > >  
> > > Probably haven't used "pecuniary" more than once or twice since then, have  
> > > you! :-)  
> > >  
> > > 73, Garey - K40AH  
> > > Atlanta  
>  
>

-----  
Date: Sat, 16 Nov 2002 09:25:19 -0600  
From: W2EB <w2eb@twcnny.rr.com>  
To: w0jrm@arrl.net, qrp-l@lehigh.edu  
Subject: [140242] Re: Beacon rules and regs?  
Message-ID: <3DD6635F.A5BC587E@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rob and all,

The entire set of Amateur Radio Regulations can be found here. For beacon questions, click on 97.203.

[http://www.access.gpo.gov/nara/cfr/waisidx\\_01/47cfr97\\_01.html](http://www.access.gpo.gov/nara/cfr/waisidx_01/47cfr97_01.html)

73,

Bill  
W2EB

Rob Matherly wrote:

>  
> Can anyone point me to a site that has the rules and regs regarding 10m  
> beacon operation?  
>  
> TIA

-----  
Date: Sat, 16 Nov 2002 09:11:12 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [140243] CY0MM ..... 30 mtrs !!!!  
Message-ID: <002201c28d7a\$052da840\$aa634342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Got him this morning at 1207 UTC on 30 meters !!!!!

5 watts from a Ten Tec Omni D to a Half G5RV up 20 ft ... working 1.5 up on  
10113 .....

73s

George Osier , N2JNZ / QRP

-----  
Date: Sat, 16 Nov 2002 09:01:18 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140244] RE: CY0MM just hit the airwaves...  
Message-ID: <3DD6095E.30894.E8A9CC8@localhost>  
MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 15 Nov 2002 at 21:51, Doc K0EVZ wrote:

> John:  
>  
> Just bagged 'em with a K1 at 5 watts to the IAC Double Bazooka up 45'  
and  
> firing East and West. Frequency was 10.119.9 and they are listening up  
> about 2.5. These guys have great ears. And wouldn't you know it--soon  
> after the QSO at 0339 they must have turned their beam this direction,  
as  
> they went up about 2 s-units [g].  
>  
> 73,  
> --Doc/K0EVZ

At the same time (around 0315Z) he was booming in here in 1828 Khz. Could not break through there with 5W though....yet.

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Sat, 16 Nov 2002 16:33:13 -0000  
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140245] RF POWER ATTENUATOR INFO....  
Message-ID: <000001c28d8e\$51f35850\$055bfea9@GM0NWI LAPTOP>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guy's.....

Possibly a "dumb question" on my part...so apologies if I "get up someones nose"....  
to put it politely....

But I was kind wondering.....

Does anyone know if they can help me with the correct resistor values, and



possibly a  
circuit for an "attenuator" on the "power out" side of things....

The reason for asking is.....as we all do as a "family", I run most of my  
rigs ALL the time...  
at 5 watts or less when operating CW...I also after 12 years as a "ham",  
most of them on  
qrp cw, venture onto SSB for some qrp ssb "Q's".....boy...!! That's  
fun...!! Hard work,  
but fun....

What I would like to do, because I am still in the learning stage of  
"getting to know" componants.... (building a K2 and "he" still doesn't know  
all his componants..!)..bad I know, but due to my "learning difficulties" I  
have my own way of working, and it always works for  
me in the end.....What I would like to do, is find a design for an  
"attenuator" where I could  
half said power that I would be emitting at the given time....

For example, if I was running 5 watts and then switched in the attenuator, I  
would hope that would give me a power out of 2.5 watts.....then if I  
switched it again it would hopefully give me  
in the range of say .....1.2 watts etc.....

"Pretty Easy...." I hear you all say.....but I would like to do this from  
ANY LEVEL of power out from the starting point of 5 watts.....down  
to the lowest power I could go .....in MICROWATTS.....

Is there a design where I could build something into a box, .....with a  
power meter to let me know exactly what power I was "putting  
out".....WITHOUT having to take out the attenuator.....and then  
reconnect "in-line" a power meter.....then take THAT back out again....

I would just like to be able to decrease the power from my rig, gradually in  
1/2 watt stages, down to microwatts.....BUT be able to do this at ANY  
power from 5 watts down the way....  
so if I was for instance running 3 watts or 2 watts or 1 watt or 4  
watts.....I could "half" my power down in stages right down into the  
microwatts stage.....monitor it continuously and switch it continuously  
and also be able to switch it "out" of line too, but leave it in place on my  
radio desk.....

Maybe a "TALL order".....and I apologise again for this possible  
"garbage".....this side of things is new to me also.....heard all about it  
through the years....but never done it....

I NEED to be able to build something .....and have it correct, working,  
as it is REAL difficult for me to physically change things in my

"shack".....part of the reason for it needing to be continually able to be monitored.....otherwise I would need to ask someone to "give me a hand" on a daily basic to unplug the device from my rig.....

I apologise again guys for bein' a "pain in the butt".....but I needed to ask someone, to see what can be done....as you will appreciate all our circumstances are different .....mine especially is dictated due to my physical disposition.....

Please be patient with me.....and again thanks for all the help on this one.....

Answers on a postcard to the e-mail address below....

72's & 73's de gm0nwiqrp@btopenworld.com "  
Bada-Bing... Bada-Boom "  
Andy  
GM0NWI  
" It is vain to do with more.... " A  
Dis-Orientated Kiwi....."

what can be done with less...." In The Northern  
Hemisphere...."

-----

Date: Sat, 16 Nov 2002 12:53:58 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [140246] for . . . Weak Signal Nutz . . . only  
Message-ID: <20021116.125406.-365719.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

WARNING . . . the following contains digital 'speak  
and  
Meteor scatter weak signal 'stuff . . .  
and  
Earth Moon Earth weak signal 'stuff . . .  
and  
outstanding software downloads . . .

I did this a couple years ago and had a B L A S T . . .

Today the software is 'much 'more 'betterer.

Before Nov 19 th (a meteor shower predication)  
or  
EME anytime  
do this . . .

Break out you 2M Yagi or crossed polarized Yagi (Yagii)

A 10 M Turnstile works on 2M (with gain),  
an easy ant to build and install in the attic.  
The 2M Turnstile is smaller (but less gain on 'two than a 'ten on 2M)  
re The ARRL Antenna Book / Chapter 19.

THEN . . . Goto . . .  
<http://www.qsl.net/w8wn/hscw/hscw.html>

and 'ur off and 'runnin . . .

PS . . .the NOT so digital types may want to check out his  
"ACCESSORY PROGRAMS" page for 'lots of 'gud 'stuff too!!  
Like PC . . .  
'housekeeping, timekeeping, bearing/distance, screen grabbers, 'mixer  
panels'.

John  
N3AAZ  
OOTC  
FM 19 xa

---

Sign Up for Juno Platinum Internet Access Today  
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Visit [www.juno.com](http://www.juno.com)

-----  
Date: Sat, 16 Nov 2002 12:37:43 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [140247] Re: Meteor Storm Set to Dazzle Stargazers  
Message-ID: <F1314XUreUGUSLpRXcc0000b998@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Thanks for the heads-up, Dave.

I must rise at 5:00 am daily anyway.  
You can bet that I'll be outside, Tuesday am, looking up.  
Hope this rainy wx system has passed by then.

73.  
Bill, N4QA  
<http://www.qsl.net/n4qa/>

---

The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

---

Date: Sat, 16 Nov 2002 12:46:46 -0500  
From: John Meade <jm416@optonline.net>  
To: qrp-l@Lehigh.EDU  
Subject: [140248] Johnson Matchbox Modification  
Message-ID: <000501c28d98\$236da990\$d5102f18@DH89Q211>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I came up with a way to get my Johnson Matchbox on the new 60m band. If anyone would like a copy of the modification in PDF format, send me an email.

72,

John W2XS

---

Date: Sat, 16 Nov 2002 13:03:18 -0500  
From: NV9Z@aol.com  
To: qrp-l@lehigh.edu  
Subject: [140249] WTB: Kenwood 8-pin Mic  
Message-ID: <38538D25.2E45C0AB.00002FF3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hi QRPers!

I need an 8-pin mic for my new (to me, at least) Kenwood TS-430S. Anyone got one that you would like to sell?

Please contact me off list at NV9Z@aol.com.

Thanks and very 73/72!

Chris Blaase NV9Z QRP-L #2370 QRP-ARCI #11172 et Al  
Hagerstown IN

-----  
Date: Sat, 16 Nov 2002 12:11:55 -0600  
From: <jfox6@houston.rr.com>  
To: "QRP" <qrp-l@lehigh.edu>  
Subject: [140250] FS MFJ9406  
Message-ID: <000901c28d9b\$a5e9b780\$8c100a43@houston.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a MFJ9406 SSB transceiver for sale. I really don't need this rig any more since I have a Kenwood570SG and a Yaesu726R, both of which cover six meters. I will sell this rig for \$155.00 incl. Shipping.

Regards,

Foxy  
jfox6@houston.rr.com  
<http://www.qsl.net/w5hir>

-----  
Date: Sat, 16 Nov 2002 13:20:45 -0500  
From: Garey Barrell <k4oah@mindspring.com>  
To: NV9Z@aol.com, qrp-l@lehigh.edu  
Subject: [140251] Re: WTB: Kenwood 8-pin Mic  
Message-ID: <5.1.0.14.0.20021116132036.00a4a030@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Your local Radio Shack should have one.

73, Garey - K40AH  
Atlanta

At 01:03 PM 11/16/2002, you wrote:

>Hi QRPers!

>

>I need an 8-pin mic for my new (to me, at least) Kenwood TS-430S. Anyone  
>got one that you would like to sell?

>

>Please contact me off list at NV9Z@aol.com.

>

>Thanks and very 73/72!

>

>Chris Blaase NV9Z QRP-L #2370 QRP-ARCI #11172 et Al

>Hagerstown IN

-----  
Date: Sat, 16 Nov 2002 13:22:03 -0500

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [140252] OT: Goom bye sheetmetal shop...Hello Surface mt soldering  
school...THEN...

Message-ID: <F79Dgzv7zMKoaua1gFT000046a0@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Talk about changing 'fortunes'.

I've had great fun working in the sheetmetal shop for the past seven weeks. Yesterday, a fellow from final ass'y came up to me at the manual punch carrying a piece of right-angle bus-bar and asked " See these four round holes, Bill? Can you make them rectangular and about three times as wide but no 'taller'?".

Beaming with pride, I told Marty to first take the part over to Gary at the forming brake and to ask him to 'straighten' it.

I then rotated my turret to the 0.39" square punch position and proceeded to convert those 0.39" round holes into the prettiest 0.39" by 0.800" rectangles you ever saw. 'Twas easy.

Then I told Marty to take the piece back to Gary for re-forming back to the 90-degree shape.

So, anyway, I was informed that I had been accepted into Surface-mount soldering 'school'...\$1800 per person, paid for by the company.

School is all next week and I'll then be 'certified' to work in our Surface-mount facility. Hot dawg...

The following week, Thanksgiving week, Martha & I will be vacationing in Central Florida again. Ellie gets to go this time.

Now for the kicker...

The week after THAT, I return to my old test job...seems the new production superintendent made too-deep cuts in personnel and now his 'numbers' for fourth quarter are in peril...

Bump my a\*\* out of test, will you? :) :) :)

I love it when a plan comes together.

Sorry, just had to tell you guys...course, it ain't over jest yet!

Anything could happen.

QRP content:

Soon, I'll be able to march right into SMT operations and attach my AD9851 DDS to Trev's new sig gen... All by myself!

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

---

Help STOP SPAM with the new MSN 8 and get 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

---

Date: Sat, 16 Nov 2002 10:48:25 -0800 (PST)  
From: Greg Overkamp <overkamp@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Cc: greg overkamp <overkamp@yahoo.com>  
Subject: [140253] link to sheet metal tools website  
Message-ID: <20021116184825.30444.qmail@web41103.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi all,

Within the last two weeks, someone posted a link to a company that had sheet metal tools on sale. If anyone still has this link, could you please email it to me off list?

Thanks,  
Greg Overkamp  
WD9DEX

-----  
Do you Yahoo!?  
Yahoo! Web Hosting - Let the expert host your site  
<http://webhosting.yahoo.com>  
-----

Date: Sat, 16 Nov 2002 11:05:16 -0800  
From: Elda & Doug Wilson <ewilson@nccn.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [140254] Help, please, OHR 100A  
Message-ID: <3DD696EC.8020305@nccn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Thanks to all that answered my plea for help.

Spec sheet and schematic are on the way.

Assistance is swift and sure. What a list! Thanks again!

Doug Wilson  
Grass Valley, CA <><

-----  
Date: Sat, 16 Nov 2002 15:47:13 -0500 (EST)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: cw@qth.net, qrp-1 <qrp-1@lehigh.edu>, <w7pxl@valleyradioclub.org>  
Subject: [140255] FS: Keys, paddles, and keyers  
Message-ID: <Pine.LNX.4.44.0211161537070.28002-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Heathkit HD1416 code oscillator	\$15
Ham Radio Center HAM KEYER HK5A	\$50
MFJ 422B piggyback keyer for Bencher paddle	\$50
Vectronics CK200 electronic keyer	\$50
MFJ-407B deluxe electronic keyer (Curtis 8044)	\$50
Vibroplex Brass Racer w/Curtis 8044 keyer EK-1, triangle	\$110
Nye Viking Master Key Straight Key	\$50
J-38 knockoff w/knee mount	\$25
Ham Radio Center HAM KEY Iambic paddle	\$60
Ham Radio Center HAM KEY Straight key	
\$40	



Photos of everything available upon request.

--

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----

Date: Sat, 16 Nov 2002 14:01:23 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Greg Overkamp <overkamp@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [140256] Re: link to sheet metal tools website  
Message-ID: <Pine.BSI.3.96.1021116140044.17648A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, could you repost it to the list? I missed that one, and I would like to find a small (16") brake and shear.

Chris

On Sat, 16 Nov 2002, Greg Overkamp wrote:

> Hi all,  
>  
> Within the last two weeks, someone posted a link to a  
> company that had sheet metal tools on sale. If anyone  
> still has this link, could you please email it to me  
> off list?  
>  
> Thanks,  
> Greg Overkamp  
> WD9DEX  
>  
>  
>  
> -----  
> Do you Yahoo!?  
> Yahoo! Web Hosting - Let the expert host your site  
> <http://webhosting.yahoo.com>  
>

,----- . High Performance Mixers and



-----  
Date: Sat, 16 Nov 2002 14:20:10 -0500  
From: "Tony Parks" <robert.parks11@gte.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140258] SideKick template available  
Message-ID: <002701c28da5\$30d23d00\$2e35f143@3dse0>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In getting ready to build my SideKick kit I put together a one-to-one template drawing by scaling VE3FA0's component placement drawing that comes with the kit documentation. The template provides hole centers and pad placement and I can print it on paper or card stock. I would be happy to supply a printout of the template to other SideKick builders. Also I would e-mail the drawing file to anyone who would like it.

Jay, W5JAY, suggested I post the offer on qrp-l. So if you would like a template printout send me an e-mail with your mailing address and state paper or card stock and how many copies.

73,  
Tony  
KB9YIG

-----  
Date: Sat, 16 Nov 2002 14:06:23 -0800  
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [140259] ARRL Sweepstakes SSB this weekend  
Message-ID: <001a01c28dbc\$68fd6440\$5c3ccd18@charterpipeline.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you own a microphone and can make your radio work on 80-40-20-15-or-10 Meters --- join the ARRL SS. Your exchange is the QSO # , followed by "precedence" which in my case is Q for QRP, followed by your call, then the "check" which is uyear first licensed, followed by "section" ... which for me is LAX (Los Angeles). Work each station only once. Try to work all 80 sections (see the list at <http://www.arrl.org>).

Two weeks ago in the CW Sweepstakes, I worked 45 states in one weekend --- and several guys worked WAS! It is possible... so if you need a few states, or just have a few hours to kill, come join us.

Best 72/73 de alan:

# Q W6RCL 58 LAX !!!

PS - I'll be CQ-ing on the high end of 10M

Alan Kaul, W6RCL, LaCanada, CA

w6rcl@amsat.org

<http://home.att.net/~alan.kaul/index.html>

-----  
Date: Sat, 16 Nov 2002 13:51:49 -0800  
From: Jason <kc7eip@shaw.ca>  
To: qrp-l@lehigh.edu  
Subject: [140260] 2n2/40 Parts search  
Message-ID: <000901c28dba\$5e07d400\$9d094d18@gv.shawcable.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

Well I was in the process of building a txcvr for my self and fell short on my ability and price range... So it is on the back burner after several E-mail responses and further searching I have decided to try my hand at constructing a 2n2/40... I have gathered up all the schematic parts list and mods that i can find. Now it's on to pricing and finding the parts... So i thought i would try hear first. Does anyone happen to have a complete set of parts they would be willing to part with for a fair price? I have also heard that there may be a main board that is printed but not etched or drilled if any one has one of those available I may have interest in it as well... Thanks in advance.

Kc7eip/Va7

-----  
Date: Sat, 16 Nov 2002 16:39:41 -0500  
From: Tom Feeny <tfeeny@comcast.net>  
To: \*QRP-L <qrp-l@lehigh.edu>  
Subject: [140261] Flyin' Pig - a real one  
Message-ID: <000501c28db8\$ae707660\$865d2044@waldlk01.mi.comcast.net>  
MIME-version: 1.0

Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

Did anyone else get a Flyin' Pig at the  
Ft. Wayne Hamfest?? A real one.  
It's got a motor and it flaps it's wings.  
Runs on 2 AA batts. And it FLIES!  
Just the thing for FDIM.  
And only ten bux. Such a deal. ;)  
Tom

-----  
Date: Sat, 16 Nov 2002 15:37:04 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>, <jdorson@worldshare.net>  
Subject: [140262] Re: Miracle Whip Ant.  
Message-ID: <B9FC16A0.206D6%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

John - The Miracle Whip has poor efficiency. You might look at the HF pack  
2001 portable antenna shoot out:

<http://www.hfpack.com/>

where the miracle whip is 10.5 dB down on a reference vertical. The 2002  
results have not ben posted, but I was there, and the miracle whip  
duplicated its results oof last year.

The Pack -12, scored much higher, only a dB down, and can be built from  
plans at the NJ QRP web site. - Dr. Megacycle KK6MC/5

--  
James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
End of QRP-L Digest 2742

\*\*\*\*\*  
-----